

Name _____ Hour _____

Module 5 Review

Exponents: rewrite with positive exponents. Simplify if possible.

1. $c^2 \cdot c^6 \cdot c$

2. $4f^2 \cdot 8f^5$

3. $(4y^2)^3$

4. $5y^{-3}$

5. $\frac{h^{10}}{h^8}$

6. $\frac{10x^2y^5}{5xy^6}$

7. 8^0

8. 3^{-3}

Volume: Round to the nearest hundredth. Label your answer.

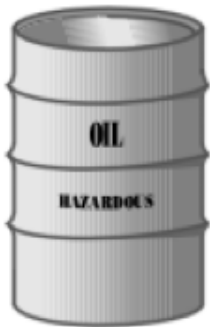
9. The height of the oil drum is 4 feet.

The diameter of the oil drum is 3 feet.

Calculate the amount of oil the drum can hold.

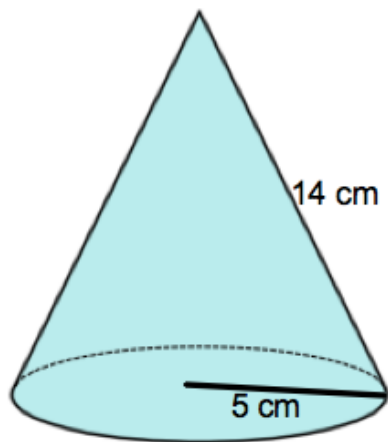
10. The diameter of a soccer ball is 13 inches.

Calculate the amount of air the soccer ball holds.

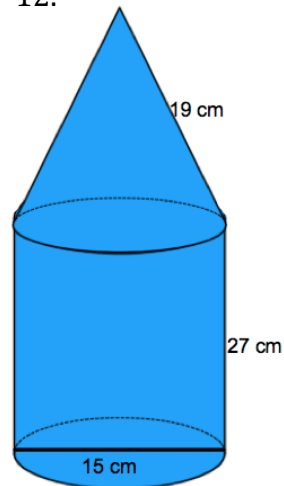


Calculate the volume of each shape. Round to the nearest hundredth. Label your answer.

11.

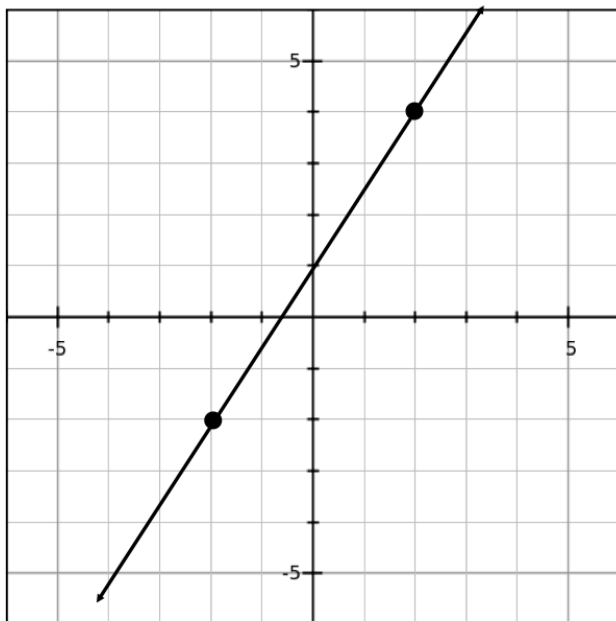


12.



Slope, Lines, Slope-Intercept form: Write the equation of the following lines ☺

13.

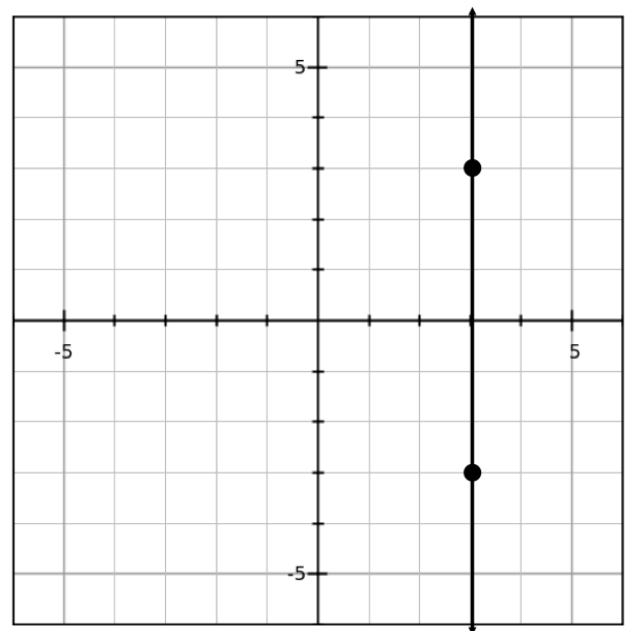


$m =$

$b =$

equation:

14.



$m =$

$b =$

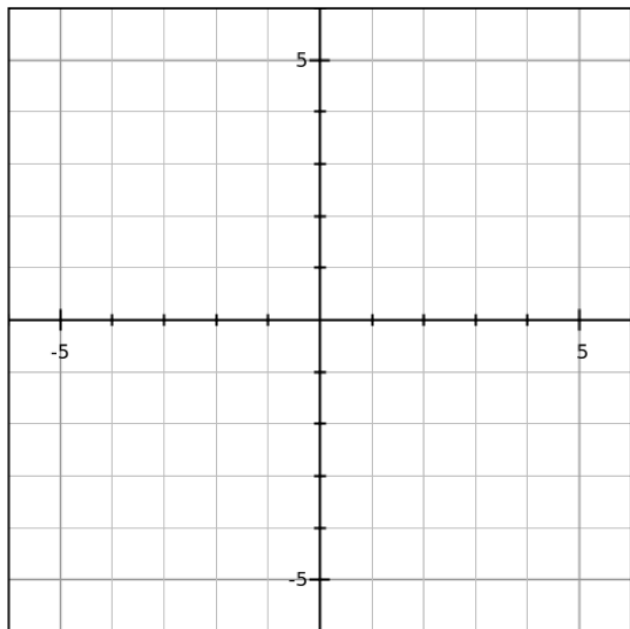
equation:

Graph the following lines in slope-intercept form.

15. $y = -2x - 4$

m =

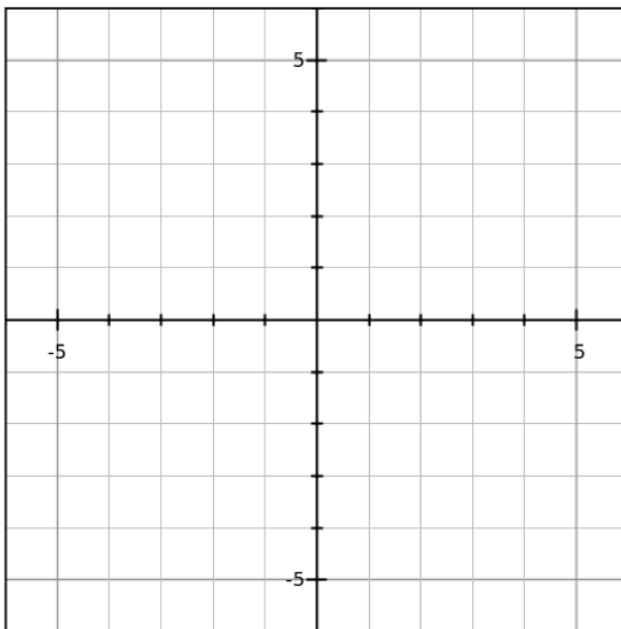
b =



16. $y = 5$

m =

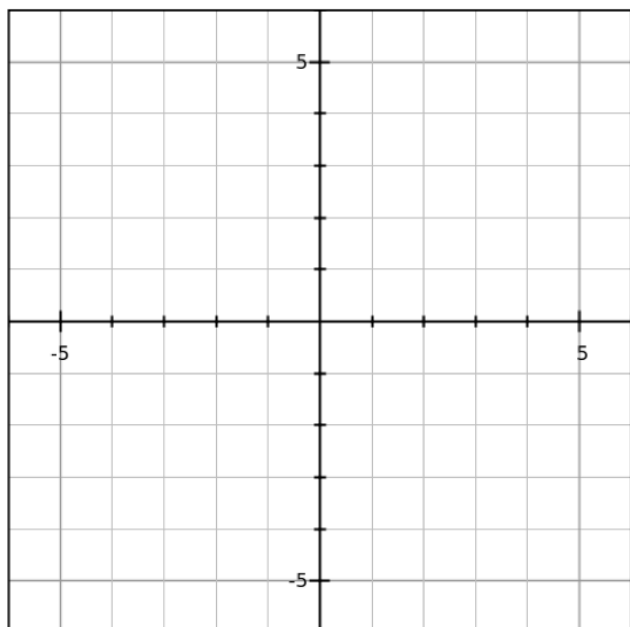
b =



17. $y = 5x$

m =

b =



18. $y = x - 2$

m =

b =

